

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
128954-3

In Re Application Of: Guo et al.

Serial No.
10/733,062

Filing Date
12/11/2003

Examiner

Group Art Unit

Title: THERMOSET COMPOSITE COMPOSITION, METHOD, AND ARTICLE

Address to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))	Docket No. 128954-3
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In Re Application: Gun et al.

Serial No. 10/733,062	Filing Date 12/11/2003	Examiner	Group Art Unit
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THERMOSET COMPOSITE COMPOSITION, METHOD, AND ARTICLE

Payment of Fee

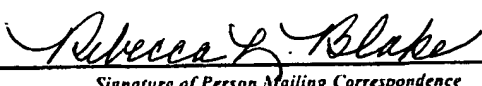
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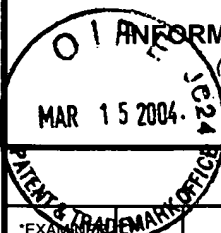
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Dated: March 11, 2004

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				ATTY DOCKET NO. 128954-3		SERIAL NO. 10/733,062	
				Guo et al.			
				FILING 12/11/2003		GROUP	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	6,593,391	7/15/2003	Teutsch et al.				
	2001/0053820 A1	12/20/2001	Yeager et al.				
	2002/0120047	8/29/2002	Border et al.				
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	2002/0173597 A1	11/21/2002	Zarnoch et al.				
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	2003/0096123 A1	5/22/2003	Yeager				
	2003/0215588 A1	11/20/2003	Yeager et al.				
	3,375,228	3/26/1968	Holoch et al.				
	4,148,843	4/10/1979	Goossens				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	DE 31 17 514 A1	2.5.81	German			✓	
	DE 41 03 140 A1	2.2.91	German			✓	
	EP 0 261 574	13.11.91	European				✓
	WO 02/079301 A2	10.10.2002	PCT				✓
	WO 93/04117	04.03.93	PCT				✓
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Pugh et al. "Group Transfer Polymerization of Some Unusual Acrylates and Methacrylates", Polym. Prepr. (Am. Chem. Soc., Div. Polym. Chem.) (1985), 26 (2), 303-5						
	S. J. Monte et al., "A New Generation of Age and Water Resistant Reinforced Plastics", ANTEC, 1979, Section 16-E, pages 1-10						
EXAMINER				DATE CONSIDERED			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. 128954-3		SERIAL NO. 10/733,062	
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		4,528,235	7/9/1985	Sacks et al.			
		4,562,243	12/31/1985	Percec			
		4,618,528	10/21/1986	Sacks et al.			
		4,634,742	1/6/1987	Percec			
		4,663,402	5/5/1987	Percec et al.			
		4,665,137	5/12/1987	Percec			
		4,677,185	6/30/1987	Heitz et al.			
		4,701,514	10/20/1987	Percec			
		4,739,007	4/19/1988	Okada et al.			
		4,760,118	7/26/1988	White et al.			
		4,806,601	2/21/1989	Percec			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		WO 93/11190	10.06.93	PCT				✓
		WO 95/14733	01.06.95	PCT				✓

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			
			L. B. Cohen, "Zircoaluminates Strengthen Premium Ranges of Chemical Coupling Agents", <i>Plastics Engineering</i> , Vol. 39, No. 11, pages 29-32 (1983)
			S. J. Monte et al., "Coupling Composites with Titanate During Extrusion Processing", <i>Modern Plastics</i> , May 1984, pages 74-78

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		4,810,734	3/7/1989	Kawasumi et al.			
		4,874,728	10/17/1989	Elliott et al.			
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
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			"Plastic Additives Handbook, 4th Edition" R. Gachter and H. Muller (eds.), P. P. Klemchuck (assoc. ed) Hansen Publishers, New York 1993, pages 914-935				
			Chem. Mater. 1996, 8, 1584-1587, Shi et al., "Interfacial Effects on the Reinforcement Properties of Polymer-Organoclay Nanocomposites"				
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		5,338,796	8/16/1994	Vianello et al.			
		5,385,776	1/31/1995	Maxfield			
		5,407,972	4/18/1995	Smith et al.			
		5,552,469	9/3/1996	Beall et al.			
		5,578,672	11/26/1996	Beall et al.			
		5,698,624	12/16/1997	Beall et al.			
		5,760,121	6/2/1998	Beall et al.			
		5,834,565	11/10/1998	Tracy et al.			
		5,877,248	3/2/1999	Beall et al.			
		5,965,663	10/12/1999	Hayase			

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*	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

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			Chem. Mater. 1994, 6, 468-474, Wang et al., "Clay-Polymer Nanocomposites Formed from Acidic Derivatives of Montmorillonite and an Epoxy Resin"
			Chem. Mater. 1994, 6, 1719-1725, Messersmith et al., "Synthesis and Characterization of Layered Silicate-Epoxy Nanocomposites"

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		6,228,903	5/8/2001	Beall et al.			
		6,251,308	6/26/2001	Butler			
		6,287,992	9/11/2001	Polansky et al.			
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		H 521	9/6/1988	Fan			
		6,521,703	2/18/2003	Zarnoch et al.			
		6,617,398 B2	9/9/2003	Yeager et al.			
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
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			Chem. Mater. 1995, 7, 2144-2150, Lan et al., "Mechanism of Clay Tactoid Exfoliation in Epoxy-Clay Nanocomposites"				
			Reichle et al., "Catalytic Reactions by Thermally Activated, Synthetic, Anionic Clay Materials", Journal of Catalysis 94, 547-557 (1985)				
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		Applicant(s) Guo et al.	
		Filing Date 12/11/2003	Group Art Unit
*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
	"Interfacial Properties of POSS-Nanofillers," J. Polidan et al., American Physical Society March 2002 Meeting, Session M33, Poster Session IV (http://www.eps.org/aps/meet/MAR02/baps/abs/S4735035.html)		
	Callaghan et al., "Interaction Energies for Blends of Poly(methyl methacrylate), Polystyrene, and Poly (α-methylstyrene) by the Critical Molecular Weight Method", Macromolecules 1993, 26, 2439-2450		
	Isaac C. Sanchez, "Relationships Between Polymer Interaction Parameters", Polymer, 1989, Vol 30, March, 471-475		
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U.S. PATENT DOCUMENTS

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		6,627,708	9/30/2003	Braat et al.			
		6,645,569	11/11/2003	Cramer et al.			
		6,646,302	11/11/2003	Kan et al.			
		6,652,967	11/25/2003	Yadav et al.			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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